

## JOB ROLE STATEMENT

### SENIOR BRIDGE DESIGN ENGINEER SPECIFIED CALLING - LEVEL 4

DIRECTORATE PLANNING AND TECHNICAL SERVICES  
BRANCH STRUCTURES ENGINEERING POSITION NO VARIOUS

#### KEY RESPONSIBILITIES

Manage bridge design for complex structures. Develop guidelines, manuals and specifications for bridge design. Provide expert engineering advice to delivery directorates.

#### KEY DELIVERIES

##### Bridge Design Services

- Manage design services, including investigations, review and detailed design for structures.
- Develop guidelines, manuals and specifications for contemporary bridge design.
- Provide expert engineering advice with regards to all aspects of bridge design.
- Responsible for facilitating drawing preparation and cost estimates for construction.
- Prepare design briefs, engineering specifications and contract documentation.
- Manage in-house teams and individual staff and consultants undertaking design work.
- Development of bridge construction and maintenance standards.
- Contribute to the development of bridge design standards.
- Review and maintain structural design and analysis computer software to ensure technological capability for delivery of design services.
- Provide expert engineering advice during construction, negotiate changes to design with contractors and facilitate appropriate resolution of construction technical queries.

##### Leadership and Management

- Manage bridge design teams, including design activities and associated projects tasks.
- Manage the development and training of Design staff to sustain capability of the bridge design function.
- Research and recommend the application of new technology within the field of structures design and construction.
- Manage financial, technological, physical and other resources within agreed allocations to meet agreed outcome.
- Manage employee behaviour, performance and development.

##### Stakeholder Relationships

- Build and maintain effective working relationships with contractors, consultants, the public and relevant agencies.
- Build collaborative working relationships with the delivery directorates.
- Represent Main Roads on national committees as required.

#### SAFETY, HEALTH AND WELLBEING (SHW)

Responsible for active participation and performance to SHW standards as detailed by the Main Roads' Safety, Health and Wellbeing (SHW) Management System - refer to "SHW Roles and Responsibilities Procedure" on 'iRoads' intranet.

#### LOCATION

Main Roads is a regionalised organisation with key delivery centres operating from the Kimberley to the Great Southern regions, including the metropolitan area. The incumbent of this position may be required to undertake a role in a region for a period of time.

#### DYNAMIC RESOURCING

The incumbent of the position may be required to perform any other role within the incumbent's level of skill, competence and responsibility as directed by the Managing Director of Main Roads to meet the organisation's objectives and the incumbent's development.

#### REPORTING RELATIONSHIPS

This position reports to:

(A) TITLE AND LEVEL  
SENIOR ENGINEER STRUCTURES

LEVEL 5  
SPECIFIED CALLING

POSITION NO  
P0058749

## SENIOR BRIDGE DESIGN ENGINEER SPECIFIED CALLING - LEVEL 4

**POSITIONS UNDER DIRECT SUPERVISION**

List the position numbers, titles and levels of positions directly supervised

TITLE and LEVEL

POSITION No

CATEGORY

NUMBER

Various: management of two or more 'virtual' teams with staff drawn from Structures, other Directorates and external resources. Consultants and contractors.

Salaried, Wages

up to 8

TOTAL

Up to 8

**SELECTION CRITERIA – SHOULD BE ADDRESSED IN THE CONTEXT OF THE ROLE**

- A Degree in Civil or Structural Engineering.
- Comprehensive skill, knowledge and experience in:
  - investigation, design and construction of bridge projects
  - standards and processes for bridge design and specification
  - national and international codes and standards for bridge design, construction and maintenance
  - managing employee behaviour, performance and development
  - research, analysis and problem solving
  - building and enhancing stakeholder relationships
  - managing financial, technological, physical and other resources within agreed allocations to meet agreed outcomes
- Knowledge of:
  - project and/or contract management
  - policies and practices on Work Health and Safety (WHS), and on EEO, diversity and equity

**CERTIFICATION**

1. The details contained in this Job Role Statement have been reviewed and conform to Main Roads guidelines.

SIGNATURE

BRANCH/SECTION HEAD

DATE

29/4/2025

2. The details contained in this document are an accurate statement of the duties, responsibilities and other requirements of the position.

SIGNATURE

EXECUTIVE DIRECTOR PLANNING AND TECHNICAL SERVICES

DATE

29/4/25

3. The details contained in this document have been reviewed and conform to Main Roads guidelines.

SIGNATURE

EXECUTIVE DIRECTOR HUMAN RESOURCES

DATE

29/4/25